

<b>*Water Quality at different locations of Lower Lake: Jan -2024 (Field Parameters) (Units in mg/liter)</b>											
<b>S. No.</b>	<b>St.Name &amp; No.</b>	<b>Layer</b>	<b>Date</b>	<b>Time</b>	<b>Air Temp. °C</b>	<b>Water Temp. °C</b>	<b>pH</b>	<b>Free CO<sub>2</sub> (mg/l)</b>	<b>Dissolved Oxygen (mg/l)</b>	<b>Conductivity (uS/cm)</b>	<b>TDS (mg/l)</b>
1	Banganga (L/1)	Surface	16.01.24	2.40 pm	23.4	21.3	7.4	12.0	2.0	335.00	221
2	Dhobighat (L/2)	Surface	15.01.24	12.15 pm	20.4	18.3	7.6	6.0	4.8	325.00	218
		Bottom			0.0	17.2	7.4	10.0	2.4	384.00	245
3	Near Retgahat (L/3)	Surface	15.01.24	12.30 pm	20.6	18.5	8.0	Abs	7.2	318.00	215
		Bottom			0.0	17.4	7.5	8.0	3.2	364.00	240
4	MLB College (L/4)	Surface	15.01.24	12.55 pm	20.8	18.7	7.8	Abs	7.6	324.00	219
		Bottom			0.0	17.5	7.5	10.0	2.8	358.00	237
5	Bhoipura (L/5)	Surface	15.01.24	1.20 pm	21.2	19.1	7.9	Abs	6.8	328.00	221
		Bottom			0.0	17.7	7.4	6.0	3.6	367.00	247
6	Jehangirabad (L/6)	Surface	15.01.24	1.40 pm	21.4	19.2	7.8	Abs	7.2	324.00	217
		Bottom			0.0	17.9	7.5	8.0	3.2	362.00	246
7	Khatlapura (L/7)	Surface	16.01.24	1.10 pm	22.3	20.2	8.0	Abs	7.2	321.00	222
		Bottom			0.0	18.5	7.4	6.0	3.6	348.00	243
8	MVM College (L/8)	Surface	16.01.24	12.45 pm	22.1	19.9	7.9	Abs	7.6	319.00	219
		Bottom			0.0	18.3	7.5	8.0	3.2	340.00	238
9	Boat House (L/9)	Surface	16.01.24	12.30 pm	21.8	19.6	7.8	Abs	6.8	316.00	214
		Bottom			0.0	18.2	7.4	10.0	2.4	336.00	230
10	A (Deeper Zones)	Surface	15.01.24	1.55 pm	21.7	19.5	8.0	Abs	7.2	322.00	216
		Middle			0.0	18.4	7.6	6.0	4.0	338.00	232
		Bottom			0	17.7	7.5	10.0	2.8	360.00	246
11	B (Deeper Zones)	Surface	15.01.24	2.25 pm	21.9	19.7	8.1	Abs	7.6	321.00	219
		Middle			0.0	18.6	7.5	6.0	4.8	339.00	238
		Bottom			0.0	17.9	7.4	8.0	3.6	364.00	254
12	C (Deeper Zones)	Surface	16.01.24	1.30 pm	22.6	20.5	8.0	Abs	7.2	320.00	218
		Middle			0.0	19.6	7.6	8.0	4.0	338.00	234
		Bottom			0.0	18.4	7.4	10.0	2.4	354.00	250
13	D (Deeper Zones)	Surface	16.01.24	1.50 pm	22.8	20.7	8.1	Abs	7.6	322.00	217
		Middle			0.0	19.8	7.5	6.0	4.4	340.00	234
		Bottom			0	18.7	7.4	8.0	3.6	361.00	251
14	E (Deeper Zones)	Surface	16.01.24	2.15 pm	23.1	20.9	7.9	Abs	7.2	318.00	216
		Middle			0.0	19.9	7.6	6.0	4.8	336.00	232
		Bottom			0.0	18.9	7.4	10.0	2.8	352.00	246
				Min	<b>0.0</b>	<b>17.2</b>	<b>7.4</b>	<b>6.0</b>	<b>2.0</b>	<b>316.0</b>	<b>214.0</b>
				Max	<b>23.4</b>	<b>21.3</b>	<b>8.1</b>	<b>12.0</b>	<b>7.6</b>	<b>384.0</b>	<b>254.0</b>
				Mean	<b>9.7</b>	<b>19.0</b>	<b>7.7</b>	<b>8.2</b>	<b>4.9</b>	<b>339.8</b>	<b>231.3</b>

Sample collected by

Sample analyzed by

Report prepared by

Light (LUX)
90.4
84.5
84.8
85.3
85.4
88.3
86.6
86.2
85.3
89.4
90.2
87.4
88.6
89.3
<b>84.5</b>
<b>90.4</b>
<b>87.3</b>



<b>*Water Quality at different locations of Lower Lake: Jan -2024 (Field Parameters) (Units in mg/liter)</b>											
<b>S. No.</b>	<b>St.Name &amp; No.</b>	<b>Layer</b>	<b>Date</b>	<b>Time</b>	<b>Air Temp. °C</b>	<b>Water Temp. °C</b>	<b>pH</b>	<b>Free CO<sub>2</sub> (mg/l)</b>	<b>Dissolved Oxygen (mg/l)</b>	<b>Conductivity (uS/cm)</b>	<b>TDS (mg/l)</b>
1	Banganga (L/1)	Surface	16.01.24	2.40 pm	23.4	21.3	7.4	12.0	2.0	335.00	221
2	Dhobighat (L/2)	Surface	15.01.24	12.15 pm	20.4	18.3	7.6	6.0	4.8	325.00	218
		Bottom			0.0	17.2	7.4	10.0	2.4	384.00	245
3	Near Retgahat (L/3)	Surface	15.01.24	12.30 pm	20.6	18.5	8.0	Abs	7.2	318.00	215
		Bottom			0.0	17.4	7.5	8.0	3.2	364.00	240
4	MLB College (L/4)	Surface	15.01.24	12.55 pm	20.8	18.7	7.8	Abs	7.6	324.00	219
		Bottom			0.0	17.5	7.5	10.0	2.8	358.00	237
5	Bhoipura (L/5)	Surface	15.01.24	1.20 pm	21.2	19.1	7.9	Abs	6.8	328.00	221
		Bottom			0.0	17.7	7.4	6.0	3.6	367.00	247
6	Jehangirabad (L/6)	Surface	15.01.24	1.40 pm	21.4	19.2	7.8	Abs	7.2	324.00	217
		Bottom			0.0	17.9	7.5	8.0	3.2	362.00	246
7	Khatlapura (L/7)	Surface	16.01.24	1.10 pm	22.3	20.2	8.0	Abs	7.2	321.00	222
		Bottom			0.0	18.5	7.4	6.0	3.6	348.00	243
8	MVM College (L/8)	Surface	16.01.24	12.45 pm	22.1	19.9	7.9	Abs	7.6	319.00	219
		Bottom			0.0	18.3	7.5	8.0	3.2	340.00	238
9	Boat House (L/9)	Surface	16.01.24	12.30 pm	21.8	19.6	7.8	Abs	6.8	316.00	214
		Bottom			0.0	18.2	7.4	10.0	2.4	336.00	230
10	A (Deeper Zones)	Surface	15.01.24	1.55 pm	21.7	19.5	8.0	Abs	7.2	322.00	216
		Middle			0.0	18.4	7.6	6.0	4.0	338.00	232
		Bottom			0	17.7	7.5	10.0	2.8	360.00	246
11	B (Deeper Zones)	Surface	15.01.24	2.25 pm	21.9	19.7	8.1	Abs	7.6	321.00	219
		Middle			0.0	18.6	7.5	6.0	4.8	339.00	238
		Bottom			0.0	17.9	7.4	8.0	3.6	364.00	254
12	C (Deeper Zones)	Surface	16.01.24	1.30 pm	22.6	20.5	8.0	Abs	7.2	320.00	218
		Middle			0.0	19.6	7.6	8.0	4.0	338.00	234
		Bottom			0.0	18.4	7.4	10.0	2.4	354.00	250
13	D (Deeper Zones)	Surface	16.01.24	1.50 pm	22.8	20.7	8.1	Abs	7.6	322.00	217
		Middle			0.0	19.8	7.5	6.0	4.4	340.00	234
		Bottom			0	18.7	7.4	8.0	3.6	361.00	251
14	E (Deeper Zones)	Surface	16.01.24	2.15 pm	23.1	20.9	7.9	Abs	7.2	318.00	216
		Middle			0.0	19.9	7.6	6.0	4.8	336.00	232
		Bottom			0.0	18.9	7.4	10.0	2.8	352.00	246
				Min	<b>0.0</b>	<b>17.2</b>	<b>7.4</b>	<b>6.0</b>	<b>2.0</b>	<b>316.0</b>	<b>214.0</b>
				Max	<b>23.4</b>	<b>21.3</b>	<b>8.1</b>	<b>12.0</b>	<b>7.6</b>	<b>384.0</b>	<b>254.0</b>
				Mean	<b>9.7</b>	<b>19.0</b>	<b>7.7</b>	<b>8.2</b>	<b>4.9</b>	<b>339.8</b>	<b>231.3</b>

Sample collected by

Sample analyzed by

Report prepared by

Light (LUX)
90.4
84.5
84.8
85.3
85.4
88.3
86.6
86.2
85.3
89.4
90.2
87.4
88.6
89.3
<b>84.5</b>
<b>90.4</b>
<b>87.3</b>





**Water quality at different locations of Lower Lake Jan - 2024 (Laboratory Analysis) (Units in mg/liter)**

S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)
1	Banganga (L/1)	Surface	122	abs	122	148	94.5	53.5	39.7	13.0	35.96	12
2	Dhobighat (L/2)	Surface	84	abs	84	126	65.1	60.9	27.3	14.8	28.97	6
		Bottom	88	abs	88	132	67.2	64.8	28.2	15.7	30.97	8
3	Near Retgahat (L/3)	Surface	86	4	82	128	77.7	50.3	32.6	12.2	31.97	5.2
		Bottom	90	abs	90	136	79.8	56.2	33.5	13.7	32.97	8
4	MLB College (L/4)	Surface	82	6	76	130	73.5	56.5	30.9	13.7	27.97	5.6
		Bottom	86	abs	86	134	75.6	58.4	31.8	14.2	29.97	10
5	Bhoipura (L/5)	Surface	90	4	86	132	71.4	60.6	30.0	14.7	30.97	5.2
		Bottom	94	abs	94	136	73.5	62.5	30.9	15.2	32.97	8
6	Jehangirabad (L/6)	Surface	86	6	80	130	69.3	60.7	29.1	14.8	28.97	6
		Bottom	90	abs	90	132	71.4	60.6	30.0	14.7	31.97	10
7	Khatlapura (L/7)	Surface	84	4	80	134	77.7	56.3	32.6	13.7	26.97	5.6
		Bottom	88	abs	88	138	79.8	58.2	33.5	14.1	30.97	8
8	MVM College (L/8)	Surface	82	6	76	130	75.6	54.4	31.8	13.2	29.97	5.2
		Bottom	88	abs	88	134	77.7	56.3	32.6	13.7	31.97	8
9	Boat House (L/9)	Surface	88	4	84	132	73.5	58.5	30.9	14.2	30.97	5.6
		Bottom	92	abs	92	136	75.6	60.4	31.8	14.7	32.97	10
10	A (Deeper Zones)	Surface	86	4	82	128	69.3	58.7	29.1	14.3	27.97	5.2
		Middle	90	abs	90	136	71.4	64.6	30.0	15.7	29.97	8
		Bottom	94	abs	94	138	73.5	64.5	30.9	15.7	31.97	10
11	B (Deeper Zones)	Surface	84	6	78	132	73.5	58.5	30.9	14.2	30.97	5.6
		Middle	88	abs	88	138	75.6	62.4	31.8	15.2	32.97	8
		Bottom	92	abs	92	142	77.7	64.3	32.6	15.6	34.97	10
12	C (Deeper Zones)	Surface	86	6	80	134	75.6	58.4	31.8	14.2	30.97	6
		Middle	88	abs	88	136	77.7	58.3	32.6	14.2	31.97	10
		Bottom	94	abs	94	142	79.8	62.2	33.5	15.1	33.97	12
13	D (Deeper Zones)	Surface	84	6	78	132	75.6	56.4	31.8	13.7	28.97	5.2
		Middle	90	abs	90	136	77.7	58.3	32.6	14.2	30.97	8
		Bottom	94	abs	94	138	79.8	58.2	33.5	14.1	32.97	10
14	E (Deeper Zones)	Surface	86	6	80	130	73.5	56.5	30.9	13.7	27.97	6
		Middle	88	abs	88	134	75.6	58.4	31.8	14.2	29.97	8
		Bottom	92	abs	92	140	77.7	62.3	32.6	15.1	33.97	12
	<b>Min</b>		<b>82</b>	<b>4</b>	<b>76</b>	<b>126</b>	<b>65.1</b>	<b>50.3</b>	<b>27.342</b>	<b>12.22</b>	<b>26.97</b>	<b>5.2</b>
	<b>Max</b>		<b>122</b>	<b>6</b>	<b>122</b>	<b>148</b>	<b>94.5</b>	<b>64.8</b>	<b>39.69</b>	<b>15.75</b>	<b>35.964</b>	<b>12</b>
	<b>Mean</b>		<b>90.00</b>	<b>5.14</b>	<b>88.00</b>	<b>134.65</b>	<b>75.66</b>	<b>59.01</b>	<b>31.78</b>	<b>14.34</b>	<b>31.20</b>	<b>7.87</b>

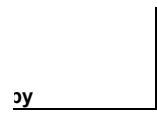
**Sample collected by**

**Sample analyzed by**

**Report prepared by**

<b>COD (mg/l)</b>
36
20
24
24
32
20
28
16
24
20
28
20
24
24
28
24
32
16
20
24
12
24
32
20
24
28
16
24
28
16
28
32
<b>12</b>
<b>36</b>
<b>24.00</b>

ay



**\*Water Quality at different locations of Lower Lake: Feb -2024 (Field Parameters) (Units in mg/liter)**

S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO <sub>2</sub> (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (uS/cm)	TDS (mg/l)	Light (LUX)
1	Banganga (L/1)	Surface	21.02.24	3.0 pm	25.5	23.4	7.4	12.0	2.4	334	228	98.3
2	Dhobighat (L/2)	Surface	19.02.24	12.15 pm	24.3	22.4	8.0	Abs	7.6	312	215	936
		Bottom				20.3	7.5	8.0	2.4	326	228	
3	Near Retgahat (L/3)	Surface	19.02.24	12.35 pm	24.5	22.5	8.0	Abs	7.2	316	218	93.9
		Bottom				20.5	7.4	10.0	2.0	324	232	
4	MLB College (L/4)	Surface	19.02.24	12.55 pm	24.6	22.6	8.2	Abs	8.0	314	217	95.4
		Bottom				20.7	7.5	6.0	3.2	328	230	
5	Bhoipura (L/5)	Surface	19.02.24	1.20 pm	24.8	22.7	8.0	Abs	7.6	315	220	95.8
		Bottom				20.9	7.6	8.0	2.8	331	236	
6	Jehangirabad (L/6)	Surface	21.02.24	12.30 pm	24.5	22.3	8.2	Abs	7.2	318	216	95.2
		Bottom				20.4	7.5	6.0	2.4	324	232	
7	Khatlapura (L/7)	Surface	21.02.24	12.45 pm	24.6	22.5	8.0	Abs	8.0	320	219	95.7
		Bottom				20.6	7.4	10.0	3.2	339	239	
8	MVM College (L/8)	Surface	21.02.24	1.05 pm	24.8	22.6	7.9	Abs	7.6	324	222	96.4
		Bottom				20.7	7.3	8.0	2.8	348	242	
9	Boat House (L/9)	Surface	21.02.24	1.25 pm	25.0	22.9	8.2	Abs	8.4	322	220	96.8
		Bottom				21.0	7.4	6.0	5.2	344	238	
10	A (Deeper Zones)	Surface	19.02.24	1.50 pm	25.0	22.9	8.1	Abs	8.0	317	213	96.6
		Middle				21.0	7.5	6.0	4.0	333	228	
		Bottom				20.6	7.4	10.0	3.2	350	240	
11	B (Deeper Zones)	Surface	19.02.24	2.15 pm	25.2	23.2	8.2	Abs	8.4	313	218	97.4
		Middle				21.4	7.8	Abs	7.6	325	235	
		Bottom				20.7	7.4	8.0	3.6	338	253	
12	C (Deeper Zones)	Surface	21.02.24	1.50 pm	25.1	23.1	8.1	Abs	8.0	314	216	97.3
		Middle				21.8	7.5	6.0	4.8	327	230	
		Bottom				20.9	7.3	8.0	3.2	340	246	
13	D (Deeper Zones)	Surface	21.02.24	2.15 pm	25.3	23.2	8.0	Abs	7.6	312	215	97.6
		Middle				21.7	7.5	8.0	4.4	326	230	
		Bottom				21.1	7.4	10.0	2.4	338	244	
14	E (Deeper Zones)	Surface	21.02.24	2.40 pm	25.4	23.3	8.2	Abs	8.4	315	214	97.8
		Middle				21.9	7.7	Abs	7.2	331	228	
		Bottom				21.3	7.5	8.0	4.0	347	243	
				Min	<b>24.3</b>	<b>20.3</b>	<b>7.3</b>	<b>6.0</b>	<b>2.0</b>	<b>312.00</b>	<b>213.0</b>	
				Max	<b>25.5</b>	<b>23.4</b>	<b>8.2</b>	<b>12.0</b>	<b>8.4</b>	<b>350.00</b>	<b>253.0</b>	
				Mean	<b>24.9</b>	<b>21.8</b>	<b>7.7</b>	<b>8.2</b>	<b>5.4</b>	<b>327.26</b>	<b>228.6</b>	
<b>Sample collected by</b>					<b>Sample analyzed by</b>				<b>Report prepared by</b>			

**Table-3 Water quality at different locations of Lower Lake Feb - 2024 (Laboratory Analysis) (Units in mg/liter)**

S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	120	abs	120	150	92.4	57.6	38.8	14.0	33.97	12	36
2	Dhobighat (L/2)	Surface	86	6	86	126	65.1	60.9	27.3	14.8	27.97	5.2	20
		Bottom	90	abs	90	130	73.5	56.5	30.9	13.7	30.97	8	28
3	Near Retgahat (L/3)	Surface	84	4	80	132	75.6	56.4	31.8	13.7	29.97	5.6	24
		Bottom	88	abs	88	136	81.9	54.1	34.4	13.1	31.97	8	32
4	MLB College (L/4)	Surface	80	6	74	130	71.4	58.6	30.0	14.2	28.97	5.2	16
		Bottom	84	abs	84	134	79.8	54.2	33.5	13.2	30.97	10	24
5	Bhoipura (L/5)	Surface	86	4	82	130	73.5	56.5	30.9	13.7	29.97	6	24
		Bottom	90	abs	90	134	77.7	56.3	32.6	13.7	32.97	10	28
6	Jehangirabad (L/6)	Surface	82	4	78	128	71.4	56.6	30.0	13.8	27.97	5.6	28
		Bottom	86	abs	86	132	73.5	58.5	30.9	14.2	30.97	6	36
7	Khatlapura (L/7)	Surface	86	6	80	130	75.6	54.4	31.8	13.2	28.97	5.2	24
		Bottom	90	abs	90	136	79.8	56.2	33.5	13.7	29.97	6	32
8	MVM College (L/8)	Surface	80	2	78	128	73.5	54.5	30.9	13.2	26.97	6.4	28
		Bottom	88	abs	88	136	81.9	54.1	34.4	13.1	29.97	12	36
9	Boat House (L/9)	Surface	88	6	82	130	71.4	58.6	30.0	14.2	30.97	5.6	20
		Bottom	90	abs	90	136	86.1	49.9	36.2	12.1	31.97	8	24
10	A (Deeper Zones)	Surface	84	3	81	130	73.5	56.5	30.9	13.7	28.97	5.2	16
		Middle	90	abs	90	136	77.7	58.3	32.6	14.2	30.97	6	24
		Bottom	94	abs	94	138	81.9	56.1	34.4	13.6	32.97	8	32
11	B (Deeper Zones)	Surface	82	6	76	128	69.3	58.7	29.1	14.3	27.97	6	24
		Middle	86	4	82	132	73.5	58.5	30.9	14.2	29.97	6.8	32
		Bottom	90	abs	90	134	77.7	56.3	32.6	13.7	31.97	10	36
12	C (Deeper Zones)	Surface	86	6	80	136	75.6	60.4	31.8	14.7	29.97	5.6	24
		Middle	88	abs	88	138	79.8	58.2	33.5	14.1	31.97	8	28
		Bottom	92	abs	92	140	84.0	56.0	35.3	13.6	32.97	10	36
13	D (Deeper Zones)	Surface	84	6	78	130	73.5	56.5	30.9	13.7	26.97	5.2	20
		Middle	86	abs	86	136	77.7	58.3	32.6	14.2	28.97	8	28
		Bottom	90	abs	90	144	86.1	57.9	36.2	14.1	30.97	10	32
14	E (Deeper Zones)	Surface	82	6	76	126	71.4	54.6	30.0	13.3	28.97	6	24
		Middle	84	4	80	132	75.6	56.4	31.8	13.7	30.97	8	32
		Bottom	88	abs	88	134	79.8	54.2	33.5	13.2	32.97	12	36
	<b>Min</b>		<b>80</b>	<b>2</b>	<b>74</b>	<b>126</b>	<b>65.1</b>	<b>49.9</b>	<b>27.3</b>	<b>12.1</b>	<b>26.97</b>	<b>5.2</b>	<b>16</b>
	<b>Max</b>		<b>120</b>	<b>6</b>	<b>120</b>	<b>150</b>	<b>92.4</b>	<b>60.9</b>	<b>38.808</b>	<b>14.7987</b>	<b>33.966</b>	<b>12</b>	<b>36</b>
	<b>Mean</b>		<b>88.35</b>	<b>4.76</b>	<b>83.59</b>	<b>133.76</b>	<b>77.02</b>	<b>56.52</b>	<b>32.35</b>	<b>13.73</b>	<b>30.41</b>	<b>7.55</b>	<b>27.53</b>
<b>Sample collected by</b>				<b>Sample analyzed by</b>						<b>Report prepared by</b>			

**\*Water Quality at different locations of Lower Lake: March -2024 (Field Parameters) (Units in mg/liter)**

S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO <sub>2</sub> (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (uS/cm)	TDS (mg/l)	Light (LUX)
1	Banganga (L/1)	Surface	20.03.24	2.40 pm	31.9	29.8	8.2	Abs	7.2	439	239	103.9
2	Dhobighat (L/2)	Surface	19.03.24	11.30 am	29.2	27.5	8.3	Abs	8.8	435	230	98.9
		Bottom				25.4	7.4	10.0	4.4	452	254	
3	Near Retgahat (L/3)	Surface	19.03.24	11.45 am	29.4	27.6	8.2	Abs	8.4	426	215	98.7
		Bottom				25.5	7.8	Abs	7.2	447	234	
4	MLB College (L/4)	Surface	19.03.24	12.20 pm	29.5	27.8	8.3	Abs	8.8	421	218	99.2
		Bottom				25.7	7.7	Abs	7.6	454	242	
5	Bhoipura (L/5)	Surface	19.03.24	12.45 pm	29.7	28.0	8.1	Abs	8.0	425	224	99.5
		Bottom				25.9	7.5	8.0	4.4	458	246	
6	Jehangirabad (L/6)	Surface	19.03.24	1.05 pm	29.9	28.2	8.2	Abs	8.4	432	228	99.8
		Bottom				26.1	7.9	Abs	7.6	460	252	
7	Khatlapura (L/7)	Surface	20.03.24	12.55 pm	31.0	28.9	8.2	Abs	8.0	422	224	101.6
		Bottom				26.7	7.9	Abs	7.2	438	245	
8	MVM College (L/8)	Surface	20.03.24	12.25 pm	30.8	28.7	8.3	Abs	8.8	418	222	99.7
		Bottom				26.5	7.8	Abs	7.6	436	246	
9	Boat House (L/9)	Surface	20.03.24	12.05 pm	30.7	28.6	8.2	Abs	8.4	425	212	99.4
		Bottom				26.3	7.5	8.0	4.8	445	230	
10	A (Deeper Zones)	Surface	19.03.24	1.35 pm	30.3	28.3	8.3	Abs	8.8	423	216	103.4
		Middle				27.4	7.9	Abs	7.6	435	222	
		Bottom				26.3	7.5	10.0	4.8	450	232	
11	B (Deeper Zones)	Surface	19.03.24	1.55 pm	30.6	28.5	8.2	Abs	8.4	422	219	103.8
		Middle				27.6	7.8	Abs	7.2	440	238	
		Bottom				26.4	7.5	8.0	4.0	462	256	
12	C (Deeper Zones)	Surface	20.03.24	1.15 pm	31.3	29.2	8.2	Abs	8.0	416	218	102.8
		Middle				27.6	7.8	Abs	7.2	432	236	
		Bottom				26.8	7.5	10.0	4.8	447	252	
13	D (Deeper Zones)	Surface	20.03.24	1.35 pm	31.5	29.4	8.3	Abs	8.8	417	214	103.2
		Middle				27.9	8.0	Abs	8.0	436	228	
		Bottom				27.0	7.5	8.0	5.2	450	240	
14	E (Deeper Zones)	Surface	20.03.24	2.05 pm	31.7	29.6	8.2	Abs	8.0	421	222	103.7
		Middle				28.3	7.9	Abs	7.6	438	240	
		Bottom				27.2	7.4	10.0	4.4	454	258	
				Min	<b>29.2</b>	<b>25.4</b>	<b>7.4</b>	<b>8.0</b>	<b>4.0</b>	<b>416.00</b>	<b>212.0</b>	<b>98.7</b>
				Max	<b>31.9</b>	<b>29.8</b>	<b>7.8</b>	<b>10.0</b>	<b>8.8</b>	<b>462.00</b>	<b>258.0</b>	<b>103.9</b>
				Mean	<b>30.5</b>	<b>27.5</b>	<b>12.0</b>	<b>9.0</b>	<b>7.1</b>	<b>436.88</b>	<b>233.0</b>	<b>101.3</b>
<b>Sample collected by</b>					<b>Sample analyzed by</b>				<b>Report prepared by</b>			

**Water quality at different locations of Lower Lake March - 2024 (Laboratory Analysis) (Units in mg/liter)**

S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	126	4	122	156	96.6	59.4	40.6	14.4	35.96	6.8	52
2	Dhobighat (L/2)	Surface	88	6	82	130	69.3	60.7	29.1	14.8	25.97	5.6	28
		Bottom	92	abs	92	136	75.6	60.4	31.8	14.7	29.97	10	32
3	Near Retgahat (L/3)	Surface	86	8	78	130	71.4	58.6	30.0	14.2	27.97	5.2	32
		Bottom	90	4	86	138	84.0	54.0	35.3	13.1	28.97	6	36
4	MLB College (L/4)	Surface	78	6	72	128	69.3	58.7	29.1	14.3	30.97	6	32
		Bottom	82	4	78	132	77.7	54.3	32.6	13.2	32.97	6.8	40
5	Bhoipura (L/5)	Surface	86	6	80	132	75.6	56.4	31.8	13.7	28.97	5.2	28
		Bottom	92	abs	92	136	79.8	56.2	33.5	13.7	30.97	8	36
6	Jehangirabad (L/6)	Surface	84	8	76	130	73.5	56.5	30.9	13.7	26.97	5.6	32
		Bottom	88	4	84	134	77.7	56.3	32.6	13.7	28.97	6.4	36
7	Khatlapura (L/7)	Surface	86	6	80	132	77.7	54.3	32.6	13.2	29.97	6	24
		Bottom	90	4	86	138	81.9	56.1	34.4	13.6	31.97	6.8	32
8	MVM College (L/8)	Surface	78	8	70	130	73.5	56.5	30.9	13.7	27.97	5.2	28
		Bottom	86	4	82	134	79.8	54.2	33.5	13.2	30.97	6.4	32
9	Boat House (L/9)	Surface	84	6	78	132	75.6	56.4	31.8	13.7	31.97	5.6	32
		Bottom	88	abs	88	136	79.8	56.2	33.5	13.7	33.97	8	40
10	A (Deeper Zones)	Surface	82	8	74	130	71.4	58.6	30.0	14.2	27.97	4.8	20
		Middle	86	6	80	134	75.6	58.4	31.8	14.2	29.97	5.2	28
		Bottom	90	abs	90	138	79.8	58.2	33.5	14.1	31.97	6	32
11	B (Deeper Zones)	Surface	86	8	78	132	73.5	58.5	30.9	14.2	29.97	5.2	24
		Middle	90	4	86	136	77.7	58.3	32.6	14.2	31.97	6	32
		Bottom	94	abs	94	140	81.9	58.1	34.4	14.1	33.97	8	40
12	C (Deeper Zones)	Surface	84	8	76	128	69.3	58.7	29.1	14.3	30.97	6	28
		Middle	88	6	82	132	73.5	58.5	30.9	14.2	32.97	6.4	36
		Bottom	92	abs	92	136	77.7	58.3	32.6	14.2	34.97	10	40
13	D (Deeper Zones)	Surface	82	8	74	130	71.4	58.6	30.0	14.2	28.97	4.8	32
		Middle	86	4	82	136	75.6	60.4	31.8	14.7	30.97	5.6	36
		Bottom	90	abs	90	138	79.8	58.2	33.5	14.1	32.97	6	40
14	E (Deeper Zones)	Surface	84	6	78	128	71.4	56.6	30.0	13.8	27.97	5.2	24
		Middle	88	4	84	132	73.5	58.5	30.9	14.2	29.97	6.4	28
		Bottom	92	abs	92	136	77.7	58.3	32.6	14.2	31.97	8	36
	<b>Min</b>		<b>78</b>	<b>4</b>	<b>70</b>	<b>128</b>	<b>69.3</b>	<b>54</b>	<b>29.11</b>	<b>13.12</b>	<b>25.97</b>	<b>4.8</b>	<b>20</b>
	<b>Max</b>		<b>126</b>	<b>8</b>	<b>122</b>	<b>156</b>	<b>96.6</b>	<b>60.7</b>	<b>40.57</b>	<b>14.75</b>	<b>35.96</b>	<b>10</b>	<b>52</b>
	<b>Mean</b>		<b>88.88</b>	<b>5.85</b>	<b>84.41</b>	<b>134.53</b>	<b>76.90</b>	<b>57.53</b>	<b>32.30</b>	<b>13.98</b>	<b>30.73</b>	<b>6.41</b>	<b>32.94</b>
<b>Sample collected by</b>			<b>Sample analyzed by</b>							<b>Report prepared by</b>			



**Water quality at different locations of Lower Lake April - 2024 (Laboratory Analysis) (Units in mg/liter)**

S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	130	4	126	158	100.8	57.2	42.3	13.9	37.96	6.4	32
2	Dhobighat (L/2)	Surface	86	8	78	134	101.8	32.2	42.8	7.8	27.97	5.2	16
		Bottom	90	4	86	138	102.8	35.2	43.2	8.6	30.97	6	20
3	Near Retgahat (L/3)	Surface	88	10	78	132	103.8	28.2	43.6	6.9	26.97	5.6	20
		Bottom	92	6	86	136	104.8	31.2	44.0	7.6	28.97	6.4	24
4	MLB College (L/4)	Surface	78	8	70	130	105.8	24.2	44.4	5.9	29.97	6	16
		Bottom	84	6	78	134	106.8	27.2	44.9	6.6	31.97	6.8	20
5	Bhoipura (L/5)	Surface	82	10	72	128	107.8	20.2	45.3	4.9	27.97	5.2	16
		Bottom	86	6	80	140	108.8	31.2	45.7	7.6	31.97	6.4	24
6	Jehangirabad (L/6)	Surface	84	8	76	134	109.8	24.2	46.1	5.9	28.97	5.6	20
		Bottom	88	4	84	138	110.8	27.2	46.5	6.6	30.97	6.8	28
7	Khatlapura (L/7)	Surface	86	10	76	132	111.8	20.2	47.0	4.9	30.97	6	20
		Bottom	90	6	84	136	112.8	23.2	47.4	5.6	32.97	7.2	24
8	MVM College (L/8)	Surface	80	6	74	128	113.8	14.2	47.8	3.5	29.97	5.6	20
		Bottom	84	4	80	134	114.8	19.2	48.2	4.7	31.97	6.8	28
9	Boat House (L/9)	Surface	82	10	72	134	115.8	18.2	48.6	4.4	30.97	5.2	16
		Bottom	88	4	84	140	116.8	23.2	49.1	5.6	32.97	5.6	24
10	A (Deeper Zones)	Surface	82	8	74	130	117.8	12.2	49.5	3.0	28.97	5.2	16
		Middle	86	6	80	136	118.8	17.2	49.9	4.2	30.97	6	20
		Bottom	90	abs	90	138	119.8	18.2	50.3	4.4	32.97	10	24
11	B (Deeper Zones)	Surface	80	10	70	134	120.8	13.2	50.7	3.2	29.97	5.6	16
		Middle	84	6	78	138	121.8	16.2	51.2	3.9	30.97	6.4	24
		Bottom	88	abs	88	142	122.8	19.2	51.6	4.7	34.97	12	28
12	C (Deeper Zones)	Surface	84	8	76	132	123.8	8.2	52.0	2.0	29.97	5.2	20
		Middle	90	4	86	136	124.8	11.2	52.4	2.7	31.97	6.4	24
		Bottom	92	abs	92	138	125.8	12.2	52.8	3.0	33.97	10	32
13	D (Deeper Zones)	Surface	84	8	76	128	126.8	1.2	53.3	0.3	27.97	6	16
		Middle	88	6	82	132	127.8	4.2	53.7	1.0	29.97	6.8	20
		Bottom	92	abs	92	136	128.8	7.2	54.1	1.7	31.97	12	28
14	E (Deeper Zones)	Surface	82	6	76	132	129.8	2.2	54.5	0.5	28.97	5.6	20
		Middle	86	4	82	136	130.8	5.2	54.9	1.3	30.97	6.4	24
		Bottom	90	abs	90	140	131.8	8.2	55.4	2.0	32.97	12	32
	<b>Min</b>		<b>78</b>	<b>4</b>	<b>70</b>	<b>128</b>	<b>100.8</b>	<b>1.2</b>	<b>42.34</b>	<b>0.29</b>	<b>41.96</b>	<b>5.2</b>	<b>16</b>
	<b>Max</b>		<b>130</b>	<b>10</b>	<b>126</b>	<b>158</b>	<b>131.8</b>	<b>57.2</b>	<b>55.36</b>	<b>13.90</b>	<b>44.96</b>	<b>12</b>	<b>32</b>
	<b>Mean</b>		<b>88.35</b>	<b>6.69</b>	<b>82.71</b>	<b>135.88</b>	<b>116.30</b>	<b>19.73</b>	<b>48.85</b>	<b>4.79</b>	<b>31.73</b>	<b>6.93</b>	<b>22.35</b>
Sample collected by			Sample analyzed by							Report prepared by			

**\*Water Quality at different locations of Lower Lake:April -2024 (Field Parameters) (Units in mg/liter)**

S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO <sub>2</sub> (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)	Light (LUX)
1	Banganga (L/1)	Surface	16.04.24	2.25 pm	36.0	34.4	8.1	Abs	7.6	438	235	103.9
2	Dhobighat (L/2)	Surface	15.04.24	12.05 pm	34.2	32.3	8.5	Abs	8.8	415	234	101.3
		Bottom				30.4	8.3	Abs	8.0	425	252	
3	Near Retgahat (L/3)	Surface	15.04.24	12.25 pm	34.5	32.4	8.3	Abs	9.2	418	227	101.6
		Bottom				30.5	8.2	Abs	8.4	434	238	
4	MLB College (L/4)	Surface	15.04.24	12.55 pm	34.6	32.6	8.2	Abs	8.4	416	224	102.4
		Bottom				30.7	8.0	Abs	7.6	432	248	
5	Bhoipura (L/5)	Surface	15.04.24	1.25 pm	34.8	32.7	8.4	Abs	9.2	421	226	102.7
		Bottom				30.9	8.2	Abs	8.4	443	251	
6	Jehangirabad (L/6)	Surface	15.04.24	1.50 pm	35.2	32.9	8.3	Abs	8.8	417	221	102.9
		Bottom				31.1	8.1	Abs	8.0	435	243	
7	Khatlapura (L/7)	Surface	16.04.24	1.05 pm	34.9	33.8	8.4	Abs	9.2	421	219	102.4
		Bottom				31.9	8.2	Abs	8.4	443	240	
8	MVM College (L/8)	Surface	16.04.24	12.45 pm	34.7	33.7	8.2	Abs	8.4	418	217	101.8
		Bottom				31.6	8.0	Abs	7.2	436	235	
9	Boat House (L/9)	Surface	16.04.24	12.30 pm	34.5	33.6	8.4	Abs	9.2	414	215	101.6
		Bottom				31.5	8.2	Abs	8.0	430	232	
10	A (Deeper Zones)	Surface	15.04.24	2.10 pm	35.5	33.4	8.3	Abs	8.8	412	214	103.4
		Middle				31.7	8.0	Abs	7.6	426	230	
		Bottom				31.1	7.5	8.0	3.6	438	245	
11	B (Deeper Zones)	Surface	15.04.24	2.40 pm	35.6	33.6	8.2	Abs	9.2	415	222	103.8
		Middle				31.9	8.1	Abs	8.4	432	243	
		Bottom				31.2	7.6	10.0	4.8	448	254	
12	C (Deeper Zones)	Surface	16.04.24	1.35 pm	35.4	33.1	8.4	Abs	8.8	415	218	102.8
		Middle				32.6	8.2	Abs	8.0	433	237	
		Bottom				31.8	7.5	8.0	4.4	443	252	
13	D (Deeper Zones)	Surface	16.04.24	1.50 pm	35.7	33.3	8.3	Abs	9.2	413	219	103.5
		Middle				32.7	8.1	Abs	8.0	426	237	
		Bottom				32.0	7.6	6.0	4.0	440	256	
14	E (Deeper Zones)	Surface	16.04.24	2.15 pm	35.8	33.5	8.4	Abs	8.8	416	217	103.7
		Middle				32.9	8.2	Abs	8.4	432	233	
		Bottom				32.1	7.5	10.0	4.8	447	250	
				Min	<b>34.2</b>	<b>30.4</b>	<b>7.5</b>	<b>6.0</b>	<b>3.6</b>	<b>412.00</b>	<b>214.0</b>	<b>101.3</b>
				Max	<b>36.0</b>	<b>34.4</b>	<b>8.5</b>	<b>10.0</b>	<b>9.2</b>	<b>448.00</b>	<b>256.0</b>	<b>103.9</b>
				Mean	<b>35.1</b>	<b>32.3</b>	<b>8.1</b>	<b>8.3</b>	<b>7.7</b>	<b>428.00</b>	<b>233.9</b>	<b>102.7</b>
<b>Sample collected by</b>					<b>Sample analyzed by</b>				<b>Report prepared by</b>			